

# ANNUAL REPORT

OF THE

Medical Officer of Health

OF THE

GRIMSBY

RURAL DISTRICT COUNCIL

FOR THE YEAR 1949

BY

***C. A. McCLEARY,***

M.B., B.Ch., B.A.O., D.P.H.,

MEDICAL OFFICER OF HEALTH.

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Grimsby :

RICHARDSONS & COPPIN, LTD., Printers, 87a to 103a Victoria Street.



# Grimsby Rural District Council.

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Offices :—DEANS\_GATE, GRIMSBY.

Tel. :—Grimsby 5371.

Port Sanitary Office :—IMMINGHAM DOCKS.

Tel :—Immingham 218 and 206.

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CHAIRMAN OF COUNCIL :—

GEORGE TICKLER, Esq., J.P.

(Deceased 19th December, 1949)

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CHAIRMAN OF HEALTH COMMITTEE :—

H. WRIGHT, Esq.

---

CLERK TO THE COUNCIL :—

P. E. HOPPS, Esq.

---

MEDICAL OFFICER OF HEALTH & PORT MEDICAL OFFICER :—

DR. C. A. MCCLEARY.

---

ASSISTANT PORT MEDICAL OFFICER :—

DR. S. BEDFORD.

---

SANITARY INSPECTOR :—

MR. C. KING, C.R.S.I.

---

ASSISTANT SANITARY INSPECTOR :—

MR. C. C. WATSON.

---

PORT SANITARY INSPECTOR FOR THE PORT OF IMMINGHAM :—

MR. W. A. CUNDY, C.R.S.I.



# Grimsby Rural District Council.

## REPORT OF THE MEDICAL OFFICER OF HEALTH

TO THE CHAIRMAN AND MEMBERS OF THE  
GRIMSBY RURAL DISTRICT COUNCIL.

LADIES AND GENTLEMEN,

I have the honour to present my Annual Report on the Health and Sanitary Conditions of the Grimsby Rural District for the year 1949.

The birth rate was 18.29 per thousand of the population, an increase of 0.12 on the rate for 1948. The corresponding rate for England and Wales was 16.7 and for the smaller towns 18.0.

The death rate was 10.42 per thousand, an increase of 0.96 on the rate for the previous year. The rates for England and Wales and the smaller towns were 11.7 and 11.6 respectively.

Deaths of infants under one year numbered 5, giving an Infantile Mortality Rate of 22.12 per thousand live births, compared with 23.04 in 1948. The rate for England and Wales was 32 and for the smaller towns, 30. There was one maternal death during the year.

The incidence of notifiable infectious disease showed a decrease compared with the previous year. One death resulted from poliomyelitis and five from pneumonia.

Towards the end of the Summer Season a complaint was made by a neighbouring Authority that a drain on their land was being polluted with crude urine from a holiday camp within the Rural District. Immediate action was taken to remedy this nuisance and a system of filtration tanks and field drains has now been installed to deal with the disposal of urine, which it is hoped will prevent any pollution taking place in the future.

In compiling this report I am indebted to the Medical Officer of Health of the Lindsey County Council and to the Sanitary Inspectors of the District for the information which they have supplied. I wish also to record my appreciation of the support afforded me throughout the year by the Chairman and Members of the Health Committee.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

C. A. McCLEARY.

*Medical Officer of Health.*

# SECTION 'A.' Vital Statistics.

Live Births—	Legitimate ...	Male. 111	Female. 100	Total. 211	} Birth Rate per 1,000 of estimated resident population 18.29
	Illegitimate ...	8	4	12	
Still Births—	Legitimate ...	Male. 2	Female. 1	Total. 3	} Rate per 1,000 Live and Still Births 13.27
	Illegitimate ...	—	—	—	
Deaths ...	...	73	54	127	

Death Rate per 1,000 of the estimated resident Population 10.42

**Deaths from Puerperal causes** (Headings 29 and 30 of The Registrar General's Short List).

	Deaths.	Rate per 1 000 Total Live and Still Births.
No. 29 Puerperal Sepsis ...	—	—
No. 30 Other Maternal Causes ...	1	4.02

## INFANT MORTALITY. Deaths of Infants under 1 year—

	Male.	Female.	Total.
Legitimate ...	3	2	5
Illegitimate ...	—	—	—
All Infants per 1,000 Live Births ...	...	...	22.12
Legitimate Infants per 1,000 Legitimate Live Births ...	...	...	23.69
Illegitimate Infants per 1,000 Illegitimate Live Births ...	...	...	—
Deaths from Whooping Cough (all ages) ...	...	...	—
Deaths from Measles (all ages) ...	...	...	—
Deaths from Diarrhoea (under 2 years of age) ...	...	...	—
Deaths from Cancer (all ages) ...	...	...	17

## NOTIFIABLE DISEASES. Notifications. 1949.

Scarlet Fever ...	...	...	...	35
Chicken Pox ...	...	...	...	42
Measles .. ...	...	...	...	47
Pneumonia ...	...	...	...	6
Diphtheria ...	...	...	...	1
Acute Poliomyelitis ...	...	...	...	3
Whooping Cough ...	...	...	...	5
Frysipelas ...	...	...	...	1



# CAUSES OF DEATH IN THE GRIMSBY RURAL DISTRICT. 1949.

	Male.	Female.	Total.
Typhoid and Paratyphoid Fevers ...	—	—	—
Cerebro Spinal Fever ... ..	—	—	—
Scarlet Fever ... ..	—	—	—
Whooping Cough ... ..	—	—	—
Diphtheria ... ..	—	—	—
Tuberculosis of Respiratory system ...	1	—	1
Other forms of Tuberculosis ... ..	—	—	—
Syphilitic Diseases ... ..	—	1	1
Influenza ... ..	1	2	3
Measles ... ..	—	—	—
Acute Poliomyelitis and Polio encephalitis	1	—	1
Acute Infectious—Encephalitis ...	—	—	—
Cancer—Malignant Disease ... ..	8	9	17
Diabetes ... ..	—	—	—
Cerebral Vascular Lesions ... ..	6	7	13
Heart Disease ... ..	24	18	42
Other Disease of Circulatory System ...	1	2	3
Bronchitis ... ..	3	3	6
Pneumonia ... ..	5	—	5
Other Respiratory Diseases ... ..	—	—	—
Ulcer of Stomach or Duodenum ... ..	2	—	2
Diarrhoea (under 2 years) ... ..	—	—	—
Appendicitis ... ..	1	—	1
Other Digestive Diseases ... ..	1	4	5
Nephritis ... ..	2	2	4
Puerperal and Post-Abortion Sepsis ...	—	—	—
Other Maternal Causes ... ..	—	1	1
Congenital Debility, Premature Births, Malformations, etc. ... ..	2	1	3
Suicide ... ..	1	—	1
Road Traffic Accidents ... ..	1	—	1
Other Violence ... ..	2	2	4
All other causes ... ..	11	2	13
Totals ... ..	73	54	127

## TUBERCULOSIS. Notifications and Deaths during 1949.

### New Cases.

Pulmonary.      Non-Pulmonary.

Male.	Female.	Male.	Female.
4	6	1	2

13

### Deaths.

Pulmonary.      Non-Pulmonary.

Male.	Female.	Male.	Female.
1	—	—	—

1

**SECTION "B."**

(d) **The Lindsey County Council, from the Clinic, St. Hugh's Avenue, Cleethorpes, provide the following Specialist and Consultant Services:**

<i>Clinic.</i>	<i>Day.</i>	<i>Hour</i>
School ... ..	Wednesday ... ..	9-30 a.m.
School Nurse attends for	Monday, Wednesday and	
Treatments ... ..	Thursday ... ..	9-30 a.m.
	Tuesday and Friday ...	2-0 p.m.
Eye ... ..	Friday (by appointment)	10-0 a.m.
Infant Welfare ... ..	Monday and Thursday	2-0 p.m.
Toddler's Clinic ... ..	Monday ... ..	9-30 a.m.
Ante Natal ... ..	Tuesday ... ..	9-30 a.m.
Special Treatment (Female)	Thursday ... ..	10-30 a.m.
Massage ... ..	Monday and Thursday	10-0 a.m.
U.V.R. ... ..	Monday and Thursday	9-30 a.m.
Dental ... ..	Daily ... ..	9-30 a.m.
Rheumatism and Heart	... monthly by appointment	2-0 p.m.
Tuberculosis—		

Patients attend by appointment at the Chest Clinic, Abbey Villa, Abbey Road, Grimsby.

**Orthopaedic—**

All orthopaedic patients are seen by appointment at the Grimsby General Hospital.

Diphtheria Immunization Sessions held at Schools and Infant Welfare and Toddlers Clinics on the appropriate days.

Additional Clinics are held at the following places :—

**Immingham—Former Air Raid Shelter, Humberville Road.**

Infant Welfare 3rd Monday in the month ... .. 2-0 p.m.

**Laceby, Methodist School Room.**

Infant Welfare 2nd and 4th Wednesday in the month ... 10 a.m.

**Waltham—Mission Hall, New Waltham.**

Infant Welfare 2nd Wednesday in the month ... .. 2-0 p.m.

**VENERAL DISEASE.**

Facilities for the diagnosis and treatment of Venereal Disease are available at the V.D. Clinic, 38, Queen Street, Grimsby.

**SECTION "C."****SANITARY CIRCUMSTANCES IN THE AREA.****WATER SUPPLY.**

This is (1) by constant supply from the Grimsby, Cleethorpes and District Water Board's joint undertaking and is satisfactory in quality and quantity. Samples are taken monthly by the Water Board and the results supplied to the Medical Officer of Health.

(2) from deep bore wells in other cases not on the public supply.



<b>Wells</b> ... ..	New Sunk ... ..	—
	Cleansed, repaired ... ..	—
	Closed as polluted ... ..	—
<b>Public Supply</b>	Area supplied—Great Coates, Healing, Immingham, Laceby, Irby, Bradley, Brigsley, Humberston, Habrough, Waltham and Barnolby ... ..	
	Percentage of houses supplied ... ..	85%
	New Cisterns provided ... ..	—
	Cisterns cleansed, repaired, covered, etc. ... ..	—
	Number of Samples obtained for analysis—	
	(a) From Wells and Bores ... ..	12
	(b) From Public supply ... ..	15

### **DRAINS.**

Drains, examined, tested, exposed, etc. ... ..	20
„ unstopped, repaired, trapped, etc. ... ..	65
Waste pipes, rain water pipes, disconnected, repaired, etc. ... ..	10
New soil pipes or ventilating shafts fixed ... ..	—
Existing soil pipes or ventilating shafts repaired ... ..	2
Drains reconstructed ... ..	1

### **OFFENSIVE TRADES.**

Number of premises in district ... ..	5
Number of inspections ... ..	230
Contravention of bye-laws ... ..	12
Contraventions remedied ... ..	12

Offensive Trade bye-laws are in force.

### **SECTION “D.”**

#### **REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.**

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authorities or their Officers, 44.

Number of houses taken over by Local Authority and rendered fit for habitation ... .. —

#### **HOUSING ACT, 1936—PART IV.—OVERCROWDING.**

Uncontrollable overcrowding in all parts of district.

#### **TOTAL NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.**

(1) By the local Authority ... ..	31
(2) By other Authorities ... ..	—
(3) By other bodies or persons ... ..	14
(4) Conversions by L.A. ... ..	6

**NUISANCES.**

Total number of nuisances during the year	...	...	...	27
(1) Abated as result of informal action by Sanitary Inspector				21
(2) Reported to Council—Statutory Notice issued			...	6
Statutory Notice not issued			...	—

**DETAILS OF NUISANCES ABATED.**

					After Informal Action.	After Statutory Notice.
Overcrowding	...	...	...	...	—	—
Smoke	...	...	...	...	—	—
Accumulation of Refuse			...	...	6	1
Foul Ditches, Ponds, and Stagnant Water					3	1
Foul Pigs and other Animals	...	...			3	—
Dampness	...	...	...	...	1	1
Yards repaved and repaired	...	...			1	—
Other nuisances	...	...	...	...	7	3

**SECTION “ E.”****INSPECTION AND SUPERVISION OF FOOD.****(a) Dairies and Milk Shops :—**

Number on Register	...	...	...	...	...	34
No. of Pasturising Licences	...	...	...	...	...	2
Number of Inspections	...	...	...	...	...	150
Contraventions remedied	...	...	...	...	...	6
Number of Samples taken :						
Satisfactory	...	...	...	...	...	27
Unsatisfactory			...	...	...	2

**Ice Cream—**

Number of Manufacturers	...	...	...	...	4
Number of Premises Registered for Sale	...	...	...	...	19
Number of Contraventions	...	...	...	...	2

**(b) MEAT AND OTHER FOODS.**

Slaughterhouses—Horse Slaughtering for human food	...	...	...	...	1
Horses slaughtered	...	...	...	...	132

**Bakehouses.**

Number in District	...	...	...	...	...	...	4
Number of underground bakehouses				...	...	...	Nil
Number of inspections	...	...	...	...	...	...	120
Contraventions of Factory Acts	...	...	...	...	...	...	2
Defects remedied	...	...	...	...	...	...	2

**Articles of Food Condemned as Unfit for Human Consumption :—**

25 Horse Livers ; 1 Pony Carcase ; 28 lbs. Frozen Eggs.

4½ lbs. Sugar ; 1 lb. Butter ; ½ lb. Lard ; ¼ lb. Margarine  
½ lb. Tea.

**SECTION " F. "****DISINFECTION AND DISINFESTATION.**

Rooms disinfected	...	...	...	...	...	...	39
(a) Ordinary Infectious Disease	...	...	...	...	...	...	31
(b) Tuberculosis	...	...	...	...	...	...	8
Rooms stripped and cleansed	...	...	...	...	...	...	2

**Table showing the number of Infectious Diseases notified in each Parish**

PARISH.	Chicken Pox.	Diphtheria.	Measles.	Whooping Cough.	Pneumonia.	Erysipelas.	Scarlet Fever.	Poliomyelitis	TOTAL.
Ashby ... ..	—	—	—	—	—	—	1	1	2
Aylesby ... ..	—	—	—	—	1	—	1	—	2
Barnolby ... ..	3	—	1	—	—	—	—	—	4
Bradley ... ..	2	—	—	—	—	—	1	—	3
Brigsley ... ..	3	—	2	—	—	—	—	—	5
Great Coates ...	11	—	—	—	—	—	3	—	14
Habrough ... ..	—	—	4	—	—	1	2	—	7
Hatcliffe ... ..	—	—	4	2	—	—	—	1	7
Healing ... ..	1	—	2	—	—	—	1	1	5
Humberston ... ..	—	1	8	—	2	—	4	—	15
Immingham ... ..	1	—	7	—	2	—	—	—	10
Laceby ... ..	—	—	3	1	1	—	5	—	10
Ravendale ... ..	1	—	—	1	—	—	—	—	2
Stallingborough...	1	—	6	1	—	—	—	—	8
Waltham ... ..	19	—	9	—	—	—	17	—	45
Wold Newton ...	—	—	1	—	—	—	—	—	1
Totals	42	1	47	5	6	1	35	3	140

# NOTIFIABLE DISEASES DURING YEAR 1949 ACCORDING TO AGES.

DISEASE.	Under 1 year.	1—2 years.	2—3 "	3—4 "	4—5 "	5—10 "	10—15 "	15—20 "	20—25 "	25—45 "	45—65 "	Over 65 years.	Totals.
Chicken Pox	1	—	6	1	1	24	5	3	—	1	—	—	42
Diphtheria	—	—	—	—	—	—	—	1	—	—	—	—	1
Whooping Cough	1	—	2	2	2	22	4	1	—	1	—	—	5
Scarlet Fever	—	1	2	1	—	—	—	—	—	2	1	2	35
Pneumonia	—	4	6	5	10	14	4	—	—	2	—	—	6
Measles	—	—	9	—	—	—	—	—	—	—	—	—	47
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	1
Poliomyelitis	—	—	—	—	—	2	—	—	—	—	—	—	3
Totals	3	5	19	9	13	62	13	6	2	5	1	2	140

**DIPHTHERIA IMMUNISATION.**

Immunisation of the child population was continued throughout the year. The Prophylactic used was Alum Precipitated Toxoid (A.P.T.) with 4 weeks interval between doses.

During the year a total of 116 children received complete initial immunisation. In age groups the numbers are as follows :—

Under 5 years, 103 ; 5 to 15 years, 13. In addition, 72 children received re-inforcing injections

I am indebted to the County Medical Officer for providing this information.

**Vaccination against Smallpox.** 23 Primary Vaccinations and 10 re-vaccinations were carried out.

**SCHOOL MEDICAL SERVICE.**

These services are provided by the County Council and I am indebted to the County Medical Officer for permission to include the following details of work carried out during the year in my capacity as School Medical Inspector.

**A.—ROUTINE MEDICAL INSPECTION.**

(Exclusive of special and supervisory examinations).

GROUP.	Inspected	Number of Children found to require treatments (excluding uncleanness and dental diseases)		
		Vision	Other Defects	Total individual children requiring treatment.
Prescribed Groups.				
Entrants ... ..	131	3	39	39
Second Age Group ... ..	107	10	22	29
Third Age Group ... ..	51	2	8	10
Total (prescribed groups) ... ..	289	15	69	78

**B.—DEFECTS FOUND IN THE COURSE OF MEDICAL INSPECTION.**

DEFECT.	Routine Inspections.		Special Inspections.	
	Requiring Treatment	Requiring observation but not Treatment	Requiring Treatment	Requiring observation but not Treatment
SKIN ... ..	15	7	—	—
EYE.				
(a) Defective Vision (excluding Squint)	17	16	—	1
(b) Squint ... ..	1	7	1	—
(c) Other conditions ... ..	8	4	—	—
EAR.				
Defective Hearing ... ..	2	4	1	—
Otitis Media ... ..	6	4	1	—
Other Ear Diseases ... ..	6	—	—	—
NOSE AND THROAT ... ..	29	108	2	—
ENLARGED CERVICAL GLANDS	—	55	—	—
DEFECTIVE SPEECH ... ..	2	7	—	—
HEART AND CIRCULATION ...	5	16	—	—
LUNGS ... ..	7	15	—	—
DEVELOPMENTAL.				
(a) Hernia ... ..	—	3	—	—
(b) Other ... ..	4	12	1	—
ORTHOPAEDIC.				
(a) Posture ... ..	1	4	—	—
(b) Flatfeet ... ..	11	13	—	—
(c) Other ... ..	10	34	—	1
NERVOUS SYSTEM.				
Epilepsy ... ..	—	—	—	—
Other conditions ... ..	—	—	—	1
PSYCHOLOGICAL.				
(a) Development ... ..	2	1	5	—
(b) Stability ... ..	—	2	1	1
OTHER DEFECTS AND DISEASES (excluding Uncleanness and Dental Diseases) ... ..	5	58	1	—

**C.—GENERAL CONDITION.**

All scholars examined were classified in 3 Groups :—A.—Good. B.—Fair. C.—Poor.

GROUP	A.	B.	C.
Entrants ... ..	16	141	28
Second age group ... ..	40	99	23
Third age group ... ..	63	147	10
Total (prescribed groups) ... ..	119	387	61



# ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1949

PORT OF IMMINGHAM, 1949. ALSO KILLINGHOLME JETTY AND WHITE BOOTH ROADS. (River Humber).  
I—AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR 1949.

TABLE A.

	Number	N.R.T.	Number by Medical Officer.	Inspected by Sanitary Inspector.	Number reported to be Defective.	Number of Vessels on which defects were found and reported to Ministry of Transport Surveyor	Number of Vessels reported as having or having had during the voyage Infectious Disease on board.
<b>Foreign</b>	419 216 1 1	784,207 188,221 196 90	48 9 1 Nil	419 216 1 1	60 7 Nil Nil	60 7 Nil Nil	3 Nil Nil Nil
<b>Total Foreign</b>	637	972,714	58	637	67	67	3
<b>Coastwise</b>	518 107 4 8  1,477	841,553 155,060 908 1,861  106,090	12 2 1 2  Nil	518 107 4 8  45	40 6 1 2  4	40 6 1 2  4	Nil Nil Nil Nil  Nil
<b>Total Coastwise</b>	2,114	1,105,472	17	682	53	53	Nil
<b>Total Foreign &amp; Coastwise</b>	2,751	2,078,186	75	1,319	120	120	3



## II.—CHARACTER OF TRADE OF PORT.

### TABLE B.

(a) Passenger Traffic during the Year.

No. of Passengers.	1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards ... ..	Nil	Nil	Nil	Nil
Outwards ... ..	Nil	Nil	Nil	Nil

(b) Cargo Traffic.

Principal Imports ... Iron Ore, Timber, Pit Props, Grain, Sugar, Scrap Metal, etc, Total tonnage imported 710,887 tons  
 „ Exports ... Coal and Coke—2,412,589 tons. General—132,674 tons.

(c) Foreign Ports from which Vessels arrive.

Norway, Sweden, U.S.S.R., Baltic Ports, Germany, Holland, Belgium, France, Spain, Portugal, North, West and South African Ports, Mediterranean Ports, Black Sea, Canada, U.S.A., Iceland, South America, Australia, etc.

# MEDICAL INSPECTION OF ALIENS.

Annual return by the Medical Inspector of Aliens for the year ended 31st December, 1949.

	Total	Number Inspected by the Medical Inspector.	Number Subjected to detailed Examination by the Medical Inspector	Certificates Issued.					Transmi-grants.
				Lunatic Idiot or M.D.	Undesir-able for Medical reasons.	Physically Incapa-citated.	Suffering from acute Infectious Disease.	Landing necessary for adequate medical examina-tion.	
(a) Total number of Aliens landing at the Port ...	122	85	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(b) Aliens refused permission to land by Immigration Officer, including stowaways	17	17	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(c) Transmigrants	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total Aliens arriving at the Port	139	102	Nil	Nil	Nil	Nil	Nil	Nil	Nil

# **MEDICAL INSPECTIONS OF ALIENS—(Continued).**

Total number of vessels carrying alien passengers	...	55
Number of vessels dealt with by the Medical Inspector	...	21

## **III.—WATER SUPPLY.**

1—Source of supply—

(a) the Port: Two deep Bores.

(b) shipping · Piped to all Quays.

New Bore has been sunk at premises of Humber Graving Dock & Engineering Co., Immingham Dock. Depth of this Bore approx. 400 ft. Water from this Bore has been tested and found to be of excellent quality.

2—Hydrants and Hosepipes,—What precautions are taken against contamination—

Regular inspection, flushing and washing out of hose before use. Samples of Drinking Water taken from hydrants, taps, etc., for examination.

3—Number of Water Boats and their Sanitary condition—

Two Tugs with special fresh drinking water tanks, these tanks are cleansed and limewashed every six months.

## **IV. PORT HEALTH REGULATIONS, 1933 and 1945.**

NO CHANGE.

**TABLE C.**  
Cases of Infectious Diseases landed from Vessels.  
**No. of Cases during the year.**

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Nil	Nil	Nil	Nil	—

**TABLE D.**  
Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.  
**No. of Cases during the year.**

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Nil	Nil	Nil	Nil	—

If any case of plague, cholera, yellow fever, small pox or typhus occurred, or plague infected rats were discovered, or if any severe outbreak of malaria fever occurred, on an arriving ship during the year, a short account should be given of the steps taken.

In any case of plague, cholera, yellow fever or severe malaria occurring, vessel concerned would be directed to designated mooring station, for special medical examination of passengers and crew, and necessary disinfection of persons, clothing, and bedding and accommodation, etc. If plague infected rats were found vessel would be boomed off and thoroughly fumigated with H.C.N. During discharge of cargo special watch would be kept for further rats.

## V. MEASURES AGAINST RODENTS.

1—Steps taken for detection of rodent plague—

- (a) In ships in the Port, routine inspection of all compartments, including holds, bunkers, etc. Laboratory examination of any rats caught or found dead.
- (b) On quays, wharves, warehouses, and in the vicinity of the port. Regular inspection of all quays, wharves, warehouses, prompt disposal of all refuse, examination of any dead rats reported or found, Special investigation where excessive mortality amongst rats is reported or found.
- 2—Measures taken to prevent the passage of rats between ships and the shore. Standard ratguards on all moorings, gangways well lighted during hours of darkness, and hauled well above quay level, instructions to officer in charge of ship.
- 3—Method of deratization of (a)—Ships. Fumigation with H.C.N. Liquid or Zyklon, also S.O.2; (b)—Premises in the vicinity of docks or quays. Fumigation if practicable, pre-baiting and poisoning, trapping and cats.
- 4—Measures taken for the detection of rat prevalence in ships and on shore; Regular inspection by Port Health Officers, observation of rat runs, etc., damage to cargo, goods, etc.
- 5—Rat-proofing

(a) To what extent are docks, wharves, warehouses, etc., rat-proof. Dock sheds are single storey, with concrete floors and metal fitments, brick bins are provided for all dry refuse, these bins are emptied regularly. Little rat harbourage exists. Necessary rat-proofing carried out where found necessary.

(b) Action taken to extend rat-proofing (1) in ships, instructions and guidance to Masters or Officers in charge, wiring of storerooms, gratings, etc., sheet tinning of bulkheads, beam openings, etc. Collaboration with Dock Authorities. Advice and guidance given where necessary. (2) on shore, as above.





TABLE G.

Measures of rat destruction on Plague 'Infected' or 'Suspected' Vessels or Vessels from Plague infected Ports arriving in the Port during the year.

Total number of such vessels arriving.	Number of such vessels fumigated by S.O.2.	Number of Rats killed.	Number of such vessels fumigated by H.C.N.	Number of rats killed.	Number of such vessels on which trapping, poisoning, etc., were employed.	Number of rats killed.	Number of such vessels on which measures of rat destruction were not carried out.
1	2	3	4	5	6	7	8
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

TABLE H.

Deratization Certificates and Deratization Exemption Certificates issued during the year. Port of Immingham, 1949.

N.R.T.	No. of Ships.	After Fumigation with			After Trapping, Poisoning, etc.	Total	Number of Deratization Exemption Certificates Issued	Total Certificates Issued.
		H.C.N.	S.O.2.	H.C.N. and S.O.2.				
1	2	3	4	5	6	7	8	9
Ships up to 300 tons ...	1	Nil	Nil	Nil	Nil	Nil	1	1
" from 301 to 1,000 tons ...	12	1	Nil	Nil	Nil	1	11	12
" from 1,001 to 3,000 tons ...	37	6	Nil	Nil	Nil	6	31	37
" from 3,001 to 10,000 tons ...	27	4	Nil	Nil	Nil	4	23	27
" over 10,000 tons ...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Totals ...	77	11	Nil	Nil	Nil	11	66	77

## VI. Hygiene of Crews' Spaces.

TABLE J.  
Classification of Nuisances.

Nationality of Vessel.	Number inspected during the year.	Defects of original construction.	Structural defects through wear and tear.	Dirt, vermin and other conditions prejudicial to health.
British ... ..	560	Nil	47	99
Other Nations ... ..	714	1	35	19

## VII. Food Inspection.

- 1—Action taken under the Public Health (Imported Food) Regulations, 1937, the Public Health (Imported Milk) Regulations 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1940. *None.*
- 2—Shell-fish. Information respecting any shell-fish beds or layings within the jurisdiction of the P.S.A., stating whether they are in the opinion of the Medical Officer liable to pollution. Report of any action taken under the Public Health (Shell fish) Regulations, 1934, or the Food and Drugs Act, 1938. *None.*
- 3—Number of Samples of Food examined by—(a) Bacteriologist. Nature of Sample. Result of Examination. *None.*  
 (b) Analyst. " " " " *None.*

C. A. McCLEARY,

Medical Officer of Health.



